

Angelo D Alessandro

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

393
papers

10,615
citations

57
h-index

84
g-index

455
ext. papers

15,112
ext. citations

6.3
avg, IF

6.72
L-index

#	Paper	IF	Citations
393	Polyamine import and accumulation causes immunomodulation in macrophages engulfing apoptotic cells.. <i>Cell Reports</i> , 2022 , 38, 110222	10.6	1
392	Erythrocyte transglutaminase-2 combats hypoxia and chronic kidney disease by promoting oxygen delivery and carnitine homeostasis.. <i>Cell Metabolism</i> , 2022 , 34, 299-316.e6	24.6	2
391	Inductively-Coupled Plasma Mass Spectrometry-Novel Insights From an Old Technology Into Stressed Red Blood Cell Physiology.. <i>Frontiers in Physiology</i> , 2022 , 13, 828087	4.6	1
390	Red blood transfusion as a potential source for false-positive phosphatidylethanol levels.. <i>Transfusion</i> , 2022 , 62, 506-508	2.9	0
389	Specialized interferon action in COVID-19.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	7
388	p53-driven lipidome influences non-cell-autonomous lysophospholipids in pancreatic cancer.. <i>Biology Direct</i> , 2022 , 17, 6	7.2	2
387	High-Throughput Metabolomics Platform for the Rapid Data-Driven Development of Novel Additive Solutions for Blood Storage.. <i>Frontiers in Physiology</i> , 2022 , 13, 833242	4.6	2
386	DNA damage contributes to neurotoxic inflammation in Aicardi-Goutières syndrome astrocytes.. <i>Journal of Experimental Medicine</i> , 2022 , 219,	16.6	4
385	ZOOMICS: Comparative Metabolomics of Red Blood Cells From Guinea Pigs, Humans, and Non-human Primates During Refrigerated Storage for Up to 42 Days.. <i>Frontiers in Physiology</i> , 2022 , 13, 845347	4.6	0
384	p97 dysfunction underlies a loss of quality control of damaged membrane proteins and promotes oxidative stress and sickling in sickle cell disease.. <i>FASEB Journal</i> , 2022 , 36, e22246	0.9	0
383	Deuterated Linoleic Acid Attenuates the RBC Storage Lesion in a Mouse Model of Poor RBC Storage.. <i>Frontiers in Physiology</i> , 2022 , 13, 868578	4.6	0
382	Plasma levels of carboxylic acids are markers of early kidney dysfunction in young people with type 1 diabetes.. <i>Pediatric Nephrology</i> , 2022 , 1	3.2	0
381	Maternal Pyrroloquinoline Quinone Supplementation Improves Offspring Liver Bioactive Lipid Profiles throughout the Lifespan and Protects against the Development of Adult NAFLD. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6043	6.3	0
380	Shikonin impairs mitochondrial activity to selectively target leukemia cells. <i>Phytomedicine Plus</i> , 2022 , 2, 100300		
379	The Impact of Age and BMI on the VWF/ADAMTS13 Axis and Simultaneous Thrombin and Plasmin Generation in Hospitalized COVID-19 Patients.. <i>Frontiers in Medicine</i> , 2021 , 8, 817305	4.9	0
378	Blood bank storage of red blood cells increases RBC cytoplasmic membrane order and bending rigidity. <i>PLoS ONE</i> , 2021 , 16, e0259267	3.7	4
377	Cytoplasmic Labile Iron Accumulates in Aging Stem Cells Perturbing a Key Rheostat for Identity Control. <i>Blood</i> , 2021 , 138, 3282-3282	2.2	1

376	Inhibiting Mitochondrial Complex II Exposes a Novel Metabolic Vulnerability in Acute Myeloid Leukemia. <i>Blood</i> , 2021 , 138, 1300-1300	2.2	
375	Circulating Primitive Erythroblasts in the Murine Embryo Undergo Complex Proteomic and Metabolomic Changes during Terminal Maturation. <i>Blood</i> , 2021 , 138, 851-851	2.2	
374	Characterizing the Metabolic Determinants of Thromboinflammation in Myeloproliferative Neoplasms. <i>Blood</i> , 2021 , 138, 4596-4596	2.2	
373	Sirtuin 3 Inhibition Targets AML Stem Cells through Perturbation of Fatty Acid Oxidation. <i>Blood</i> , 2021 , 138, 2240-2240	2.2	
372	The impact of donor sex and age on stored platelet metabolism and post-transfusion recovery. <i>Blood Transfusion</i> , 2021 , 19, 216-223	3.6	1
371	Protein-L-isoaspartate O-methyltransferase is required for in vivo control of oxidative damage in red blood cells. <i>Haematologica</i> , 2021 , 106, 2726-2739	6.6	6
370	Murine models of sickle cell disease and beta-thalassemia demonstrate pulmonary hypertension with distinctive features. <i>Pulmonary Circulation</i> , 2021 , 11, 20458940211055996	2.7	2
369	Red Blood Cell Metabolism in Pyruvate Kinase Deficient Patients. <i>Frontiers in Physiology</i> , 2021 , 12, 7355436	4.3	1
368	Glutathione-S-transferase P promotes glycolysis in asthma in association with oxidation of pyruvate kinase M2. <i>Redox Biology</i> , 2021 , 47, 102160	11.3	0
367	1319: Lipidomic Profiles Associated With Hyperfibrinolysis in Adult Trauma Patients. <i>Critical Care Medicine</i> , 2021 , 49, 666-666	1.4	
366	Black American Maternal Prenatal Choline, Offspring Gestational Age at Birth, and Developmental Predisposition to Mental Illness. <i>Schizophrenia Bulletin</i> , 2021 , 47, 896-905	1.3	3
365	Targeting tumor-derived NLRP3 reduces melanoma progression by limiting MDSCs expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	30
364	Metabolic Characterization of Plasma and Cyst Fluid from Cystic Precursors to Pancreatic Cancer Patients Reveal Metabolic Signatures of Bacterial Infection. <i>Journal of Proteome Research</i> , 2021 , 20, 2725-2738 ⁴	5.6	4
363	Characterization and Metabolomic Analysis of Cold-Stored Platelets. <i>Journal of Proteome Research</i> , 2021 , 20, 2251-2265	5.6	2
362	Microenvironmental Regulation of Macrophage Transcriptomic and Metabolomic Profiles in Pulmonary Hypertension. <i>Frontiers in Immunology</i> , 2021 , 12, 640718	8.4	3
361	Isolating and targeting the real-time plasticity and malignant properties of epithelial-mesenchymal transition in cancer. <i>Oncogene</i> , 2021 , 40, 2884-2897	9.2	3
360	Traumatic Brain Injury Impairs Systemic Vascular Function Through Disruption of Inward-Rectifier Potassium Channels. <i>Function</i> , 2021 , 2,	6.1	1
359	G6PD activity contributes to the regulation of histone acetylation and gene expression in smooth muscle cells and to the pathogenesis of vascular diseases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H999-H1016	5.2	3

358	Proteome of Stored RBC Membrane and Vesicles from Heterozygous Beta Thalassemia Donors. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
357	Seroconversion stages COVID19 into distinct pathophysiological states. <i>ELife</i> , 2021 , 10,	8.9	18
356	β-thalassemia minor is a beneficial determinant of red blood cell storage lesion. <i>Haematologica</i> , 2021 ,	6.6	6
355	Maturation of Pluripotent Stem Cell-Derived Cardiomyocytes Enables Modeling of Human Hypertrophic Cardiomyopathy. <i>Stem Cell Reports</i> , 2021 , 16, 519-533	8	12
354	Fatty acid desaturase activity in mature red blood cells and implications for blood storage quality. <i>Transfusion</i> , 2021 , 61, 1867-1883	2.9	8
353	In vivo clearance of stored red blood cells. <i>Blood</i> , 2021 , 137, 2275-2276	2.2	2
352	Quantifying dynamic range in red blood cell energetics: Evidence of progressive energy failure during storage. <i>Transfusion</i> , 2021 , 61, 1586-1599	2.9	2
351	SIRT5 IS A DRUGGABLE METABOLIC VULNERABILITY IN ACUTE MYELOID LEUKEMIA. <i>Blood Cancer Discovery</i> , 2021 , 2, 266-287	7	6
350	Inorganic Nitrite Supplementation Improves Endothelial Function With Aging: Translational Evidence for Suppression of Mitochondria-Derived Oxidative Stress. <i>Hypertension</i> , 2021 , 77, 1212-1222	8.5	3
349	Glutathionylation chemistry promotes interleukin-1 beta-mediated glycolytic reprogramming and pro-inflammatory signaling in lung epithelial cells. <i>FASEB Journal</i> , 2021 , 35, e21525	0.9	0
348	The anti-inflammatory cytokine interleukin-37 is an inhibitor of trained immunity. <i>Cell Reports</i> , 2021 , 35, 108955	10.6	20
347	Combined Oral Contraceptive Treatment Does Not Alter the Gut Microbiome or Serum Metabolomic Profile in Obese Girls with Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , 2021 , 5, A711-A712	0.4	
346	The interactome of the N-terminus of band 3 regulates red blood cell metabolism and storage quality. <i>Haematologica</i> , 2021 , 106, 2971-2985	6.6	9
345	Mitochondrial ATP fuels ABC transporter-mediated drug efflux in cancer chemoresistance. <i>Nature Communications</i> , 2021 , 12, 2804	17.4	18
344	Metabolomic markers predictive of hepatic adaptation to therapeutic dosing of acetaminophen. <i>Clinical Toxicology</i> , 2021 , 1-10	2.9	1
343	Targeting Treatments to Health Disparities. <i>Schizophrenia Bulletin</i> , 2021 , 47, 886-887	1.3	1
342	Oncogene-induced maladaptive activation of trained immunity in the pathogenesis and treatment of Erdheim-Chester disease. <i>Blood</i> , 2021 , 138, 1554-1569	2.2	2
341	Very long chain fatty acid metabolism is required in acute myeloid leukemia. <i>Blood</i> , 2021 , 137, 3518-3532.	2.2	15

340	Hematologic and systemic metabolic alterations due to Mediterranean class II G6PD deficiency in mice. <i>JCI Insight</i> , 2021 , 6,	9.9	3
339	Metabolic alterations mediated by STAT3 promotes drug persistence in CML. <i>Leukemia</i> , 2021 , 35, 3371-3382	23.7	2
338	Targeted Intracellular Delivery of Trastuzumab Using Designer Phage Lambda Nanoparticles Alters Cellular Programs in Human Breast Cancer Cells. <i>ACS Nano</i> , 2021 ,	16.7	2
337	Erythrocyte adenosine A2B receptor prevents cognitive and auditory dysfunction by promoting hypoxic and metabolic reprogramming. <i>PLoS Biology</i> , 2021 , 19, e3001239	9.7	3
336	The AML microenvironment catalyzes a stepwise evolution to gilteritinib resistance. <i>Cancer Cell</i> , 2021 , 39, 999-1014.e8	24.3	12
335	The Inherent Dynamics and Interaction Sites of the SARS-CoV-2 Nucleocapsid N-Terminal Region. <i>Journal of Molecular Biology</i> , 2021 , 433, 167108	6.5	5
334	Donor sex, age and ethnicity impact stored red blood cell antioxidant metabolism through mechanisms in part explained by glucose 6-phosphate dehydrogenase levels and activity. <i>Haematologica</i> , 2021 , 106, 1290-1302	6.6	40
333	Blood donor obesity is associated with changes in red blood cell metabolism and susceptibility to hemolysis in cold storage and in response to osmotic and oxidative stress. <i>Transfusion</i> , 2021 , 61, 435-448 ^{2.9}	7	7
332	The Hepatic Microenvironment Uniquely Protects Leukemia Cells through Induction of Growth and Survival Pathways Mediated by LIPG. <i>Cancer Discovery</i> , 2021 , 11, 500-519	24.4	7
331	Oxidized Low-Density Lipoprotein Drives Dysfunction of the Liver Lymphatic System. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 11, 573-595	7.9	8
330	Testosterone replacement therapy in blood donors modulates erythrocyte metabolism and susceptibility to hemolysis in cold storage. <i>Transfusion</i> , 2021 , 61, 108-123	2.9	8
329	Maneb alters central carbon metabolism and thiol redox status in a toxicant model of Parkinson's disease. <i>Free Radical Biology and Medicine</i> , 2021 , 162, 65-76	7.8	5
328	Extinguishing the Embers: Targeting AML Metabolism. <i>Trends in Molecular Medicine</i> , 2021 , 27, 332-344	11.5	9
327	Male fetus susceptibility to maternal inflammation: C-reactive protein and brain development. <i>Psychological Medicine</i> , 2021 , 51, 450-459	6.9	17
326	Prenatal choline, cannabis, and infection, and their association with offspring development of attention and social problems through 4 years of age. <i>Psychological Medicine</i> , 2021 , 1-10	6.9	6
325	Omega 3 fatty acids stimulate thermogenesis during torpor in the Arctic Ground Squirrel. <i>Scientific Reports</i> , 2021 , 11, 1340	4.9	2
324	Acute Cycling Exercise Induces Changes in Red Blood Cell Deformability and Membrane Lipid Remodeling. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	9
323	Chaperone-mediated autophagy sustains haematopoietic stem-cell function. <i>Nature</i> , 2021 , 591, 117-123 ^{50.4}	38	38

322	In situ mapping identifies distinct vascular niches for myelopoiesis. <i>Nature</i> , 2021 , 590, 457-462	50.4	24
321	Sex Differences in Insulin Sensitivity are Related to Muscle Tissue Acylcarnitine But Not Subcellular Lipid Distribution. <i>Obesity</i> , 2021 , 29, 550-561	8	1
320	Mechanisms of stearoyl CoA desaturase inhibitor sensitivity and acquired resistance in cancer. <i>Science Advances</i> , 2021 , 7,	14.3	8
319	Blood donor exposome and impact of common drugs on red blood cell metabolism. <i>JCI Insight</i> , 2021 , 6,	9.9	10
318	Time-Efficient Inspiratory Muscle Strength Training Lowers Blood Pressure and Improves Endothelial Function, NO Bioavailability, and Oxidative Stress in Midlife/Older Adults With Above-Normal Blood Pressure. <i>Journal of the American Heart Association</i> , 2021 , 10, e020980	6	10
317	3-hydroxy-L-kynurenamine is an immunomodulatory biogenic amine. <i>Nature Communications</i> , 2021 , 12, 4447	17.4	9
316	Nicotinamide phosphoribosyltransferase inhibitors selectively induce apoptosis of AML stem cells by disrupting lipid homeostasis. <i>Cell Stem Cell</i> , 2021 , 28, 1851-1867.e8	18	5
315	Metabolism navigates neural cell fate in development, aging and neurodegeneration. <i>DMM Disease Models and Mechanisms</i> , 2021 , 14,	4.1	1
314	Trisomy 21 results in modest impacts on mitochondrial function and central carbon metabolism. <i>Free Radical Biology and Medicine</i> , 2021 , 172, 201-212	7.8	1
313	The COVIDome Explorer researcher portal. <i>Cell Reports</i> , 2021 , 36, 109527	10.6	5
312	Pharmacologic activation of hepatic farnesoid X receptor prevents parenteral nutrition-associated cholestasis in mice. <i>Hepatology</i> , 2021 ,	11.2	1
311	NF- κ B Regulation of LRH-1 and ABCG5/8 Potentiates Phytosterol Role in the Pathogenesis of Parenteral Nutrition-Associated Cholestasis. <i>Hepatology</i> , 2021 , 74, 3284-3300	11.2	1
310	Maternal prenatal choline and inflammation effects on 4-year-olds performance on the Wechsler Preschool and Primary Scale of Intelligence-IV. <i>Journal of Psychiatric Research</i> , 2021 , 141, 50-56	5.2	0
309	Red Blood Cell Metabolism in Patients with Propionic Acidemia. <i>Separations</i> , 2021 , 8, 142	3.1	
308	The STAT3-MYC Axis Promotes Survival of Leukemia Stem Cells by Regulating SLC1A5 and Oxidative Phosphorylation. <i>Blood</i> , 2021 ,	2.2	4
307	Targeting Host Glycolysis as a Strategy for Antimalarial Development. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 730413	5.9	2
306	Stored blood has compromised oxygen unloading kinetics that can be normalized with rejuvenation and predicted from corpuscular side-scatter. <i>Haematologica</i> , 2021 ,	6.6	2
305	Mouse background genetics in biomedical research: The devil is in the details. <i>Transfusion</i> , 2021 , 61, 3017-3025	2.3	1

304	Red Blood Cell Proteasome in Beta-Thalassemia Trait: Topology of Activity and Networking in Blood Bank Conditions. <i>Membranes</i> , 2021 , 11,	3.8	2
303	Proteinuric chronic kidney disease is associated with altered red blood cell lifespan, deformability and metabolism. <i>Kidney International</i> , 2021 , 100, 1227-1239	9.9	7
302	Biological and Clinical Factors Contributing to the Metabolic Heterogeneity of Hospitalized Patients with and without COVID-19. <i>Cells</i> , 2021 , 10,	7.9	7
301	Structure-activity relationship of avocadyne. <i>Food and Function</i> , 2021 , 12, 6323-6333	6.1	2
300	Benford's law and metabolomics: A tale of numbers and blood. <i>Transfusion and Apheresis Science</i> , 2020 , 59, 103019	2.4	2
299	Nitrogen recycling buffers against ammonia toxicity from skeletal muscle breakdown in hibernating arctic ground squirrels. <i>Nature Metabolism</i> , 2020 , 2, 1459-1471	14.6	9
298	Erythrocyte Metabolic Reprogramming by Sphingosine 1-Phosphate in Chronic Kidney Disease and Therapies. <i>Circulation Research</i> , 2020 , 127, 360-375	15.7	16
297	Metabolomics of Endurance Capacity in World Tour Professional Cyclists. <i>Frontiers in Physiology</i> , 2020 , 11, 578	4.6	11
296	Ethyl glucuronide, a marker of alcohol consumption, correlates with metabolic markers of oxidant stress but not with hemolysis in stored red blood cells from healthy blood donors. <i>Transfusion</i> , 2020 , 60, 1183-1196	2.9	10
295	Nicotine exposure increases markers of oxidant stress in stored red blood cells from healthy donor volunteers. <i>Transfusion</i> , 2020 , 60, 1160-1174	2.9	15
294	Stored RBC metabolism as a function of caffeine levels. <i>Transfusion</i> , 2020 , 60, 1197-1211	2.9	8
293	Maternal choline and respiratory coronavirus effects on fetal brain development. <i>Journal of Psychiatric Research</i> , 2020 , 128, 1-4	5.2	6
292	Erythrocyte adaptive metabolic reprogramming under physiological and pathological hypoxia. <i>Current Opinion in Hematology</i> , 2020 , 27, 155-162	3.3	8
291	CRISPR-Mediated Single Nucleotide Polymorphism Modeling in Rats Reveals Insight Into Reduced Cardiovascular Risk Associated With Mediterranean Variant. <i>Hypertension</i> , 2020 , 76, 523-532	8.5	9
290	Hypoxic activation of glucose-6-phosphate dehydrogenase controls the expression of genes involved in the pathogenesis of pulmonary hypertension through the regulation of DNA methylation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L773-L786	5.8	15
289	Hypoxic storage of red blood cells improves metabolism and post-transfusion recovery. <i>Transfusion</i> , 2020 , 60, 786-798	2.9	15
288	Metabolic Reprogramming of Mouse Bone Marrow Derived Macrophages Following Erythrophagocytosis. <i>Frontiers in Physiology</i> , 2020 , 11, 396	4.6	4
287	MDM2 and MDMX promote ferroptosis by PPAR γ -mediated lipid remodeling. <i>Genes and Development</i> , 2020 , 34, 526-543	12.6	60

286	Monocytic Subclones Confer Resistance to Venetoclax-Based Therapy in Patients with Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2020 , 10, 536-551	24.4	93
285	Impact of taurine on red blood cell metabolism and implications for blood storage. <i>Transfusion</i> , 2020 , 60, 1212-1226	2.9	14
284	Identification of a Small-Molecule Inhibitor That Disrupts the SIX1/EYA2 Complex, EMT, and Metastasis. <i>Cancer Research</i> , 2020 , 80, 2689-2702	10.1	11
283	Liver X Receptor (LXR) Is a Novel and Reversible Regulator of Trauma-Induced Coagulopathy. <i>Blood</i> , 2020 , 136, 2-2	2.2	
282	In Situ Fate Mapping of Native and Stress Myelopoiesis Reveals a Unique Niche for Mono- and Dendritic Cell -Poiesis. <i>Blood</i> , 2020 , 136, 38-39	2.2	
281	Evolution of Gilteritinib Resistance from Residual Disease to Relapse. <i>Blood</i> , 2020 , 136, 4-5	2.2	
280	Maternal erythrocyte ENT1-mediated AMPK activation counteracts placental hypoxia and supports fetal growth. <i>JCI Insight</i> , 2020 , 5,	9.9	13
279	COVID-19 infection alters kynurenine and fatty acid metabolism, correlating with IL-6 levels and renal status. <i>JCI Insight</i> , 2020 , 5,	9.9	200
278	Donor glucose-6-phosphate dehydrogenase deficiency decreases blood quality for transfusion. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2270-2285	15.9	31
277	Nicotinamide Phosphoribosyltransferase Inhibitors Induce Apoptosis of AML Stem Cells through Dysregulation of Lipid Metabolism. <i>Blood</i> , 2020 , 136, 25-26	2.2	1
276	Inflammation-Induced Alternative Pre-mRNA Splicing in Mouse Alveolar Macrophages. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 555-567	3.2	7
275	Red cell proteasome modulation by storage, redox metabolism and transfusion. <i>Blood Transfusion</i> , 2020 ,	3.6	3
274	Decoding the metabolic landscape of pathophysiological stress-induced cell death in anucleate red blood cells. <i>Blood Transfusion</i> , 2020 , 18, 130-142	3.6	11
273	Novel Small Molecule Compound disrupts the SIX1/EYA2 Complex and Inhibits Breast Cancer Metastasis. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
272	Seroconversion stages COVID19 into distinct pathophysiological states 2020 ,		1
271	Inspiratory Muscle Strength Training Improves Vascular Endothelial Function in Older Adults by Altering Circulating Factors that Suppress Superoxide and Enhance Nitric Oxide. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	2
270	Succinate Activation of SUCNR1 Predisposes Severely Injured Patients to Neutrophil-Mediated ARDS. <i>Annals of Surgery</i> , 2020 ,	7.8	4
269	COVID-19 infection results in alterations of the kynurenine pathway and fatty acid metabolism that correlate with IL-6 levels and renal status 2020 ,		13

268	Evidence for structural protein damage and membrane lipid remodeling in red blood cells from COVID-19 patients 2020 ,		11
267	Metabolic characterization of plasma and cyst fluid from cystic precursors to pancreatic cancer patients reveal metabolic signatures of bacterial infection 2020 ,		3
266	Metabolic Systems Analysis of Shock-Induced Endotheliopathy (SHINE) in Trauma: A New Research Paradigm. <i>Annals of Surgery</i> , 2020 , 272, 1140-1148	7.8	9
265	Transfusion of Anaerobically or Conventionally Stored Blood After Hemorrhagic Shock. <i>Shock</i> , 2020 , 53, 352-362	3.4	10
264	Short-term interleukin-37 treatment improves vascular endothelial function, endurance exercise capacity, and whole-body glucose metabolism in old mice. <i>Aging Cell</i> , 2020 , 19, e13074	9.9	16
263	Metabolic phenotypes of standard and cold-stored platelets. <i>Transfusion</i> , 2020 , 60 Suppl 3, S96-S106	2.9	4
262	Interactions between host genetics and gut microbiota determine susceptibility to CNS autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27516-27527	11.5	14
261	Nicotinamide Metabolism Mediates Resistance to Venetoclax in Relapsed Acute Myeloid Leukemia Stem Cells. <i>Cell Stem Cell</i> , 2020 , 27, 748-764.e4	18	43
260	Doxorubicin-Induced Oxidative Stress and Endothelial Dysfunction in Conduit Arteries Is Prevented by Mitochondrial-Specific Antioxidant Treatment. <i>JACC: CardioOncology</i> , 2020 , 2, 475-488	3.8	12
259	CPT1A Over-Expression Increases Reactive Oxygen Species in the Mitochondria and Promotes Antioxidant Defenses in Prostate Cancer. <i>Cancers</i> , 2020 , 12,	6.6	9
258	ZOOMICS: Comparative Metabolomics of Red Blood Cells From Old World Monkeys and Humans. <i>Frontiers in Physiology</i> , 2020 , 11, 593841	4.6	4
257	The NLRP3 inflammasome inhibitor OLT1177 rescues cognitive impairment in a mouse model of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32145-32154	11.5	54
256	Metabolic abnormalities in G6PC3-deficient human neutrophils result in severe functional defects. <i>Blood Advances</i> , 2020 , 4, 5888-5901	7.8	0
255	Serum Proteomics in COVID-19 Patients: Altered Coagulation and Complement Status as a Function of IL-6 Level. <i>Journal of Proteome Research</i> , 2020 , 19, 4417-4427	5.6	73
254	Gene-Diet Interactions: Dietary Rescue of Metabolic Effects in -Depleted. <i>Genetics</i> , 2020 , 214, 961-975	4	3
253	Evidence of Structural Protein Damage and Membrane Lipid Remodeling in Red Blood Cells from COVID-19 Patients. <i>Journal of Proteome Research</i> , 2020 , 19, 4455-4469	5.6	86
252	Fatty acid metabolism underlies venetoclax resistance in acute myeloid leukemia stem cells. <i>Nature Cancer</i> , 2020 , 1, 1176-1187	15.4	26
251	Effects of chronic hyperinsulinemia on metabolic pathways and insulin signaling in the fetal liver. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 319, E721-E733	6	4

250	Donor-dependent aging of young and old red blood cell subpopulations: Metabolic and functional heterogeneity. <i>Transfusion</i> , 2020 , 60, 2633-2646	2.9	12
249	On-Chip Acousto Thermal Shift Assay for Rapid and Sensitive Assessment of Protein Thermodynamic Stability. <i>Small</i> , 2020 , 16, e2003506	11	4
248	Interaction of maternal choline levels and prenatal Marijuana β effects on the offspring. <i>Psychological Medicine</i> , 2020 , 50, 1716-1726	6.9	9
247	Red blood cell metabolism in Rhesus macaques and humans: comparative biology of blood storage. <i>Haematologica</i> , 2020 , 105, 2174-2186	6.6	18
246	Coordinate Regulation of Cholesterol and Bile Acid Metabolism by the Clock Modifier Nobiletin in Metabolically Challenged Old Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
245	Nobiletin fortifies mitochondrial respiration in skeletal muscle to promote healthy aging against metabolic challenge. <i>Nature Communications</i> , 2019 , 10, 3923	17.4	62
244	The metabolic time line of pancreatic cancer: Opportunities to improve early detection of adenocarcinoma. <i>American Journal of Surgery</i> , 2019 , 218, 1206-1212	2.7	16
243	Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron. <i>Npj Biofilms and Microbiomes</i> , 2019 , 5, 26	8.2	18
242	Predicting response to lisinopril in treating hypertension: a pilot study. <i>Metabolomics</i> , 2019 , 15, 133	4.7	3
241	Skeletal muscle amino acid uptake is lower and alanine production is greater in late gestation intrauterine growth-restricted fetal sheep hindlimb. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R615-R629	3.2	9
240	From omics technologies to personalized transfusion medicine. <i>Expert Review of Proteomics</i> , 2019 , 16, 215-225	4.2	3
239	Metabolomics assessment reveals oxidative stress and altered energy production in the heart after ischemic acute kidney injury in mice. <i>Kidney International</i> , 2019 , 95, 590-610	9.9	31
238	High-Throughput Metabolomics: Isocratic and Gradient Mass Spectrometry-Based Methods. <i>Methods in Molecular Biology</i> , 2019 , 1978, 13-26	1.4	72
237	Untargeted and Semi-targeted Lipid Analysis of Biological Samples Using Mass Spectrometry-Based Metabolomics. <i>Methods in Molecular Biology</i> , 2019 , 1978, 121-135	1.4	39
236	Parabiosis Incompletely Reverses Aging-Induced Metabolic Changes and Oxidant Stress in Mouse Red Blood Cells. <i>Nutrients</i> , 2019 , 11,	6.7	11
235	Cysteine depletion targets leukemia stem cells through inhibition of electron transport complex II. <i>Blood</i> , 2019 , 134, 389-394	2.2	62
234	Reexamination of the chromium-51-labeled posttransfusion red blood cell recovery method. <i>Transfusion</i> , 2019 , 59, 2264-2275	2.9	16
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4	Multi-Omic Analysis Reveals Disruption of Cholesterol Homeostasis by Cannabidiol in Human Cell Lines		3
3	Targeting glutamine metabolism and redox state for leukemia therapy		1
2	Trisomy 21 activates the kynurenine pathway via increased dosage of interferon receptors		1
1	Proteomic Investigations of Stored Red Blood Cells		1